

Name: _____

Per: _____

The Periodic Table & Chemical Bonding WS 2^A “Ionic Bonds”

Complete the chart for each element once it has become an ion.

Element	# of Protons	# of Valence Electrons	Ionic Charge (oxidation #)	total # of Electrons
Sodium				
Chlorine				
Beryllium				
Fluorine				
Oxygen				
Lithium				
Phosphorus				

Follow the ionic bonding steps to show the bonding of the following elements.

1. Potassium & Fluorine

2. Magnesium & Iodine

3. Sodium & Oxygen

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4. Sodium & Chlorine

5. Calcium & Chlorine

6. Aluminum & Chlorine

7. Magnesium & Sulfur

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Fill in the table below

Elements	Charge of Each	Formula
Ca, Br	Ca^{2+} Br^{1-}	CaBr_2
Li, O		
K, I		
O, Ca		
Cl, Na		
Cs, S		
O, Al		
Ba, N		
P, Sr		
S, Mg		

Fill in the table below

Name	Charge of Each	Formula
Francium Fluoride	Fr^+ , F^-	FrF
Rubidium Oxide		
Magnesium Chloride		
Aluminum Sulfide		
Strontium Selenide		

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Fill in the table below

Formula	Charge of Each
Cu_3N_2	Cu^{2+} , N^{3-}
CoCl	
Fe_2O	
Cs_3N	
CaS	
Zn_3P_2	
Al_2S_3	
BaCl_2	